

AGENDA



8:30 – 9:15 AM: Welcome / Introductions / Overview

9:15 – 9:45 AM: Statewide Summary

9:45 – 10:15 AM: Regional Summary

10:15 – 11:30 AM: Safety Strategy Session

11:30 – 12:00 PM: Report Out and Next Steps

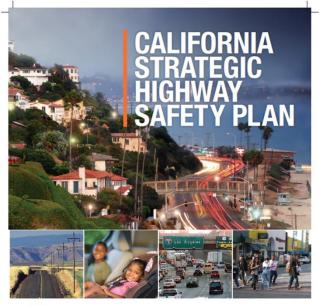
12:30 – 1:30 PM: Tribal Outreach Session

SHSP OVERVIEW

- Guides safety activities for all roadway users
- Addresses safety on all public roads
- All agency coordinated approach
- Strategic, data-driven process
- Federal requirement

Current SHSP covers 2015 to 2019







2015-2019

SHSP OVERVIEW

- Guides safety activities for all roadway users
- Addresses safety on all public roads
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- Strategic, data-driven process
- Federal requirement
- Current SHSP covers 2015 to 2019







2015-2019



Improve safety

Save lives Reduce preventable injuries

Improve livability

Support active transportation goals
Improve public health
Coordinate with congestion management efforts

Share local knowledge

Exchange best practices
Access information and data
Funding and partnering opportunities

SHSP VISION, MISSION & OBJECTIVE



Vision

Safe Public Roads Across California

Mission

Ensure safety for all modes of travel on California's public roads

Objective

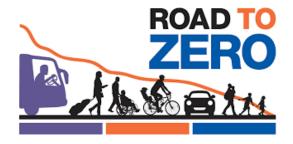
Zero Fatalities & Serious Injuries

MULTIPLE SAFETY APPROACHES







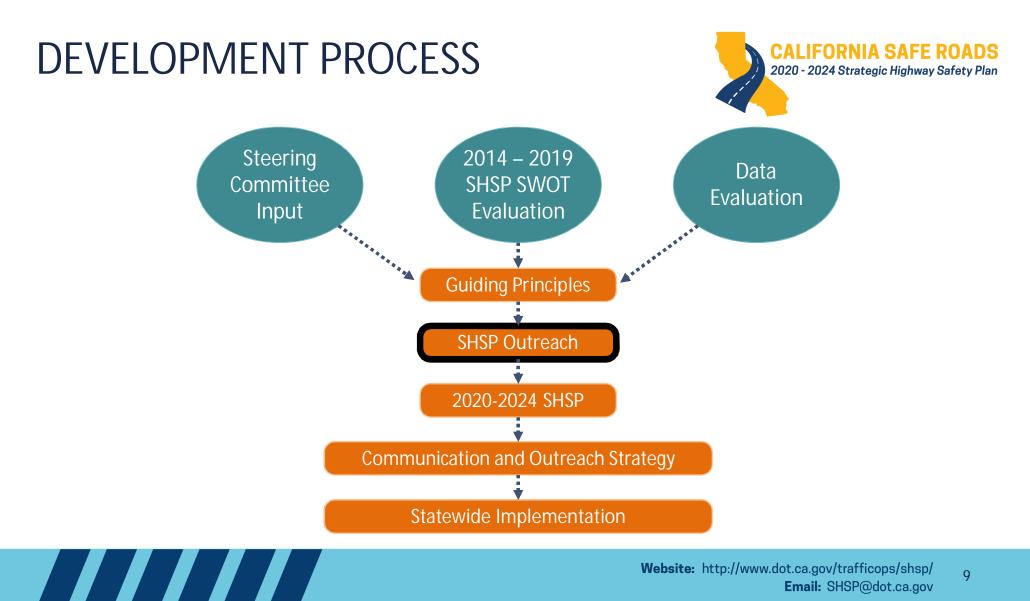


STATEWIDE COLLABORATION



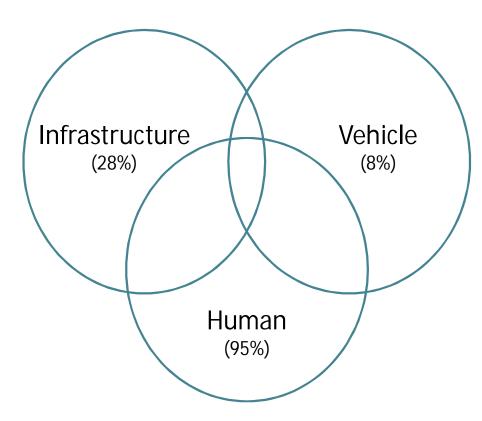
Working together to reduce fatalities and serious injuries on all public roadways.





COLLISION FACTORS





4 Es now 5 Es OF TRAFFIC SAFETY





SHSP CONNECTIONS **CALIFORNIA SAFE ROADS** 2020 - 2024 Strategic Highway Safety Plan SHSP **Highway Safety** Commercial Vehicle Improvement Highway Safety Plan Safety Plan Program **OTS** CHP Caltrans State and Local Safety **Behavioral Safety Projects** Grants

CALTRANS HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP)



- FAST Act
 - Continues the Highway Safety Improvement Program as a core Federal Aid program to significantly <u>reduce fatalities and serious injuries</u> on all public roads.
 - Local HSIP Program
 - Safety Improvement Projects (Benefit/Cost selected safety projects)
 - (New) Systemic Safety Analysis Report Program (SSARP)



OFFICE OF TRAFFIC SAFETY



- Liaison with the National Highway Traffic Safety Administration (NHTSA)
- California Highway Safety Plan
- Annual Performance Report
- Grant Programs



CALIFORNIA HIGHWAY PATROL



- Mission Provide the highest level of Safety, Service, and Security
- CHP involvement in the SHSP

- Executive Committee Commissioner Warren Stanley
- Steering Committee Assistant Chief
- Lead or Co-lead on 10 of the 15 Challenge Areas
- Active involvement on 13 of the 15 Challenge Areas
- Lead or Co-lead on 25 of the Actions
- Mileage Death Rate on the increase (2013: .94 to 2016: 1.08)
- Work with the Office of Traffic Safety to incorporate SHSP initiatives into the CHP Grants



CALIFORNIA HIGHWAY PATROL



- Current SHSP Actions the CHP is working on
 - Action 5.1 Update CHP DUI Checkpoint Educational Pamphlet with an emphasis on drugs
 - Action 6.1 Develop an issue paper establishing benefits of Standardized Field Sobriety Tests (SFSTs) training for law enforcement agencies
 - Action 6.2 Increase the number of Advanced Roadside Impaired Driving Enforcement (ARIDE) personnel trained by 8 percent
 - Action 4.1 Develop a media campaign....to raise awareness about speeding and aggressive driving
 - Action 2.2 Identify locations with reported pedestrian safety issues and conduct high visibility pedestrian safety enforcement operations

CALIFORNIA HIGHWAY PATROL



Commercial Vehicle Safety Plan

- Funded by the Motor Carrier Safety Assistance Program (MCSAP) Grant 2018-20
- Reduce commercial motor vehicle (CMV) involved collisions within CHP jurisdiction, including the Mileage Death Rate for CMVs
- 53 Commercial Vehicle Enforcement Facilities (38 locations)
- 144 Mobile Road Enforcement Officers
- CMV Fatal Crashes 302.6 per year (5 year average)
- MCSAP Activities: Driver and Vehicle Inspections, Enforcement,
 Compliance Reviews and Audits, Public Education, and Data Collection

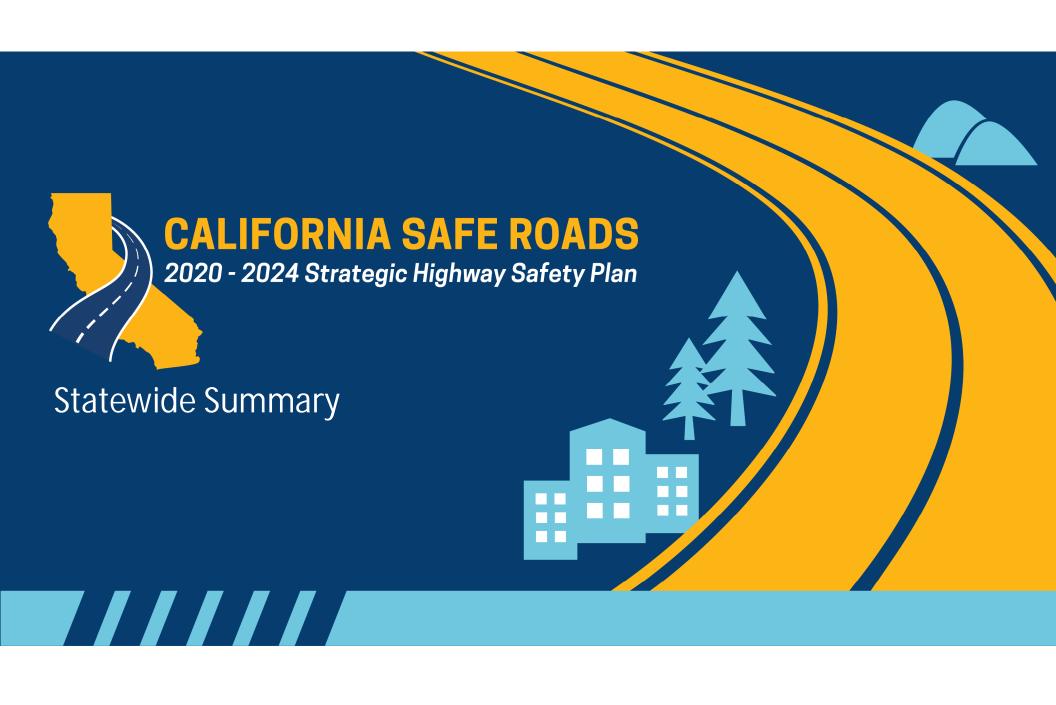


FHWA



- SHSP is a requirement under SAFETEA-LU
- Statewide-coordinated safety plan led by State DOT that provides comprehensive framework for reducing fatalities and serious injuries on all public roads
- Identifies a State's key safety needs and guides investment decisions towards strategies and countermeasure with the most potential to save lives and prevent injuries
- SHSP shall be data driven, evaluate performance and updated
- SHSP Challenge Areas, Revisions and Stakeholders





DATA-DRIVEN IMPLEMENTATION

CALIFORNIA SAFE ROADS 2020 - 2024 Strategic Highway Safety Plan

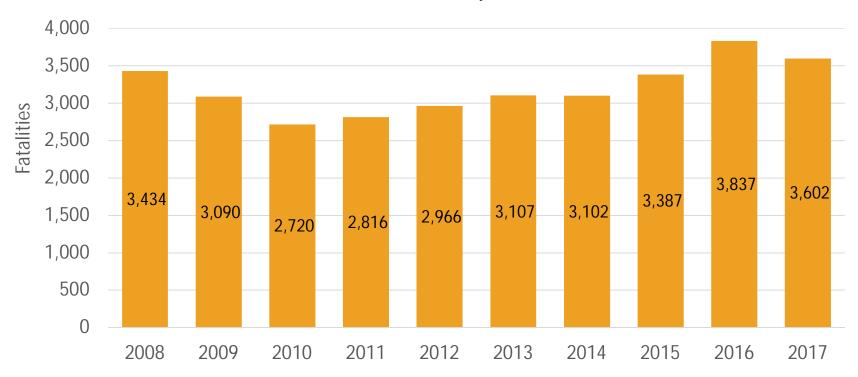
- Data analysis drives implementation
- 2020 to 2024 Data

- 10 years (2008 to 2017)
- 128,974 fatal and serious injury collisions
- 147,458 fatal and serious injuries
- 1.14 fatal and serious injuries / collision



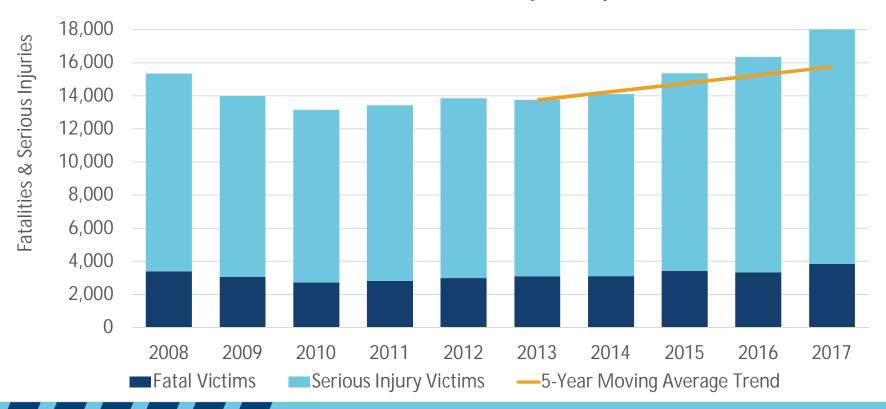


Total Fatalities by Year





Total Fatalities and Serious Injuries by Year



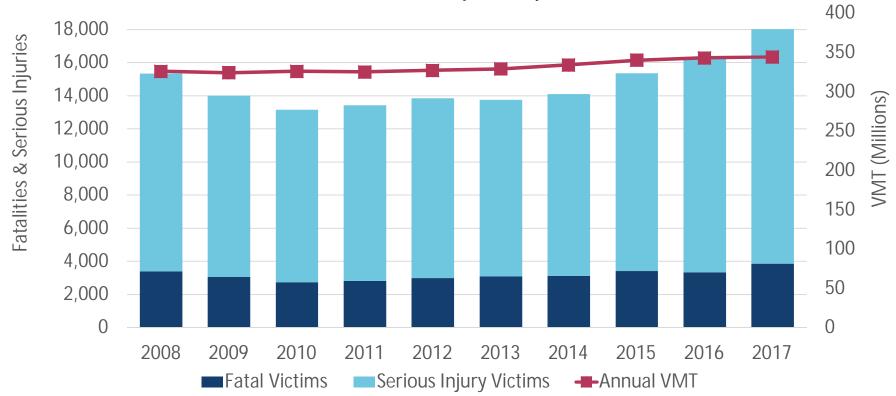


Total Fatalities and Serious Injuries by Year Versus Population





Total Fatalities and Serious Injuries by Year Versus VMT





Fatality & Serious Injury Rates

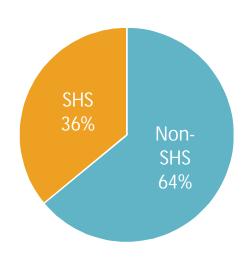


Website: http://www.dot.ca.gov/trafficops/shsp/ **Email:** SHSP@dot.ca.gov

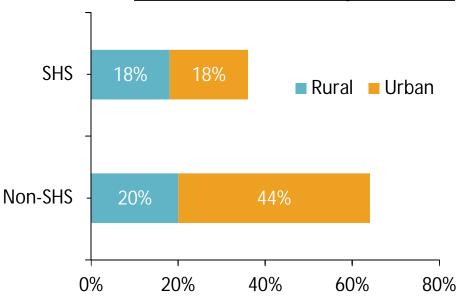
Fatal & Serious Injury Collisions



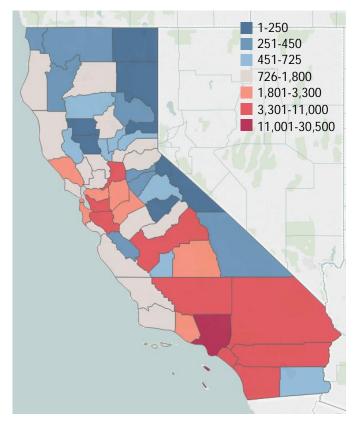
State Highway System (SHS) vs. Non-SHS



Percent of Victims by Location

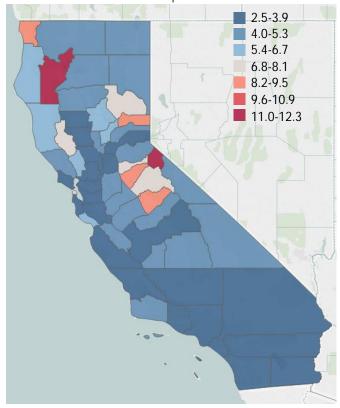


F+SI Collisions





F+SI Collision Rate per 100M VMT



Website: http://www.dot.ca.gov/trafficops/shsp/ **Email:** SHSP@dot.ca.gov



OUTREACH EVENTS







SAN DIEGO REGION

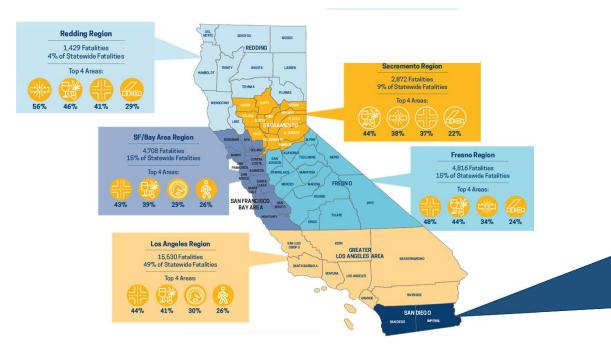




2 Counties

- San Diego
- Imperial

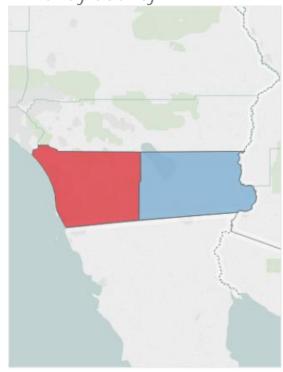




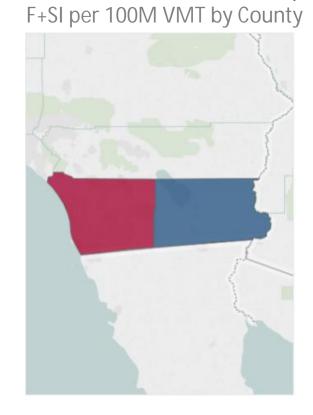


CALIFORNIA SAFE ROADS 2020 - 2024 Strategic Highway Safety Plan

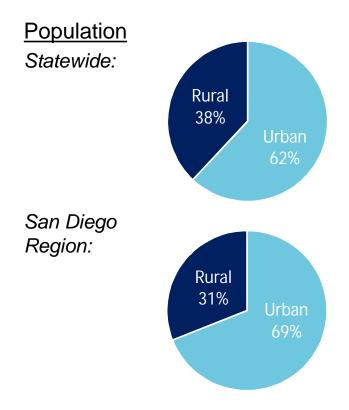
F+SI by County



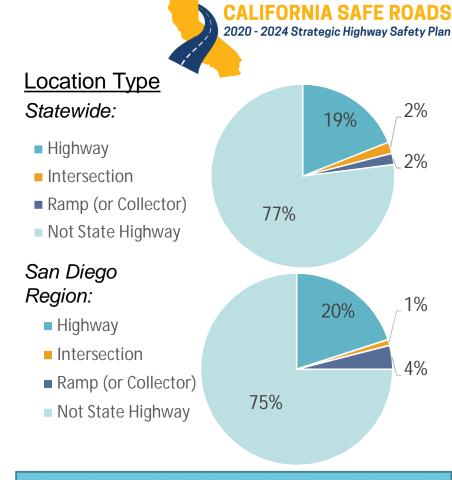
County	F+SI
Imperial	724
San	
Diego	10,099



	F+SI per 100M
County	VMT
Imperial	3.0
San Diego	3.3



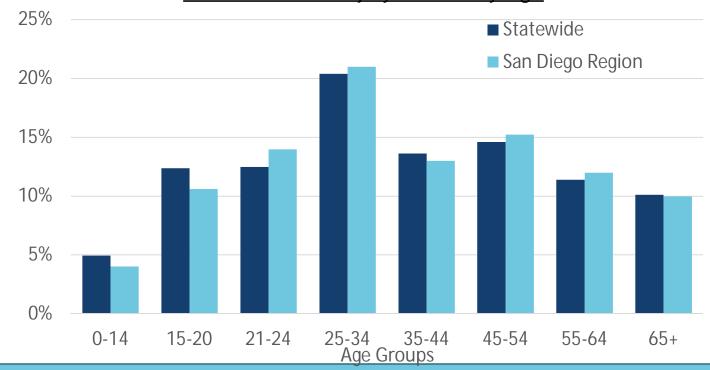




F+SI trends were similar in this region to California overall.



Fatal & Serious Injury Victims by Age

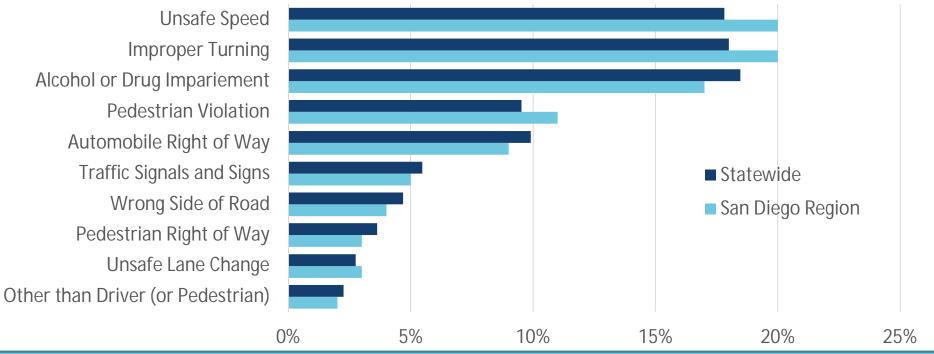


F+SI collisions generally involved more people aged 21+ in this region than California overall.

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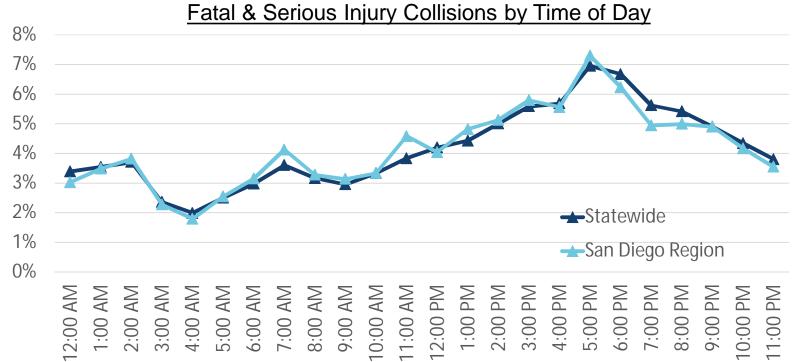






The top 10 primary causes of collisions in this region matches the top 10 primary causes of collisions statewide.

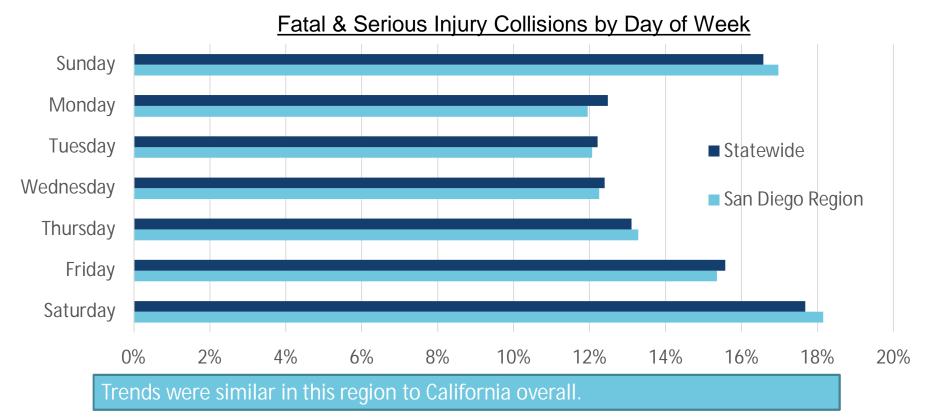




More collisions occurred between 10:00 AM and 12:00pm and fewer collisions after 6:00pm in this region than in California overall.

REGIONAL COLLISION DATA

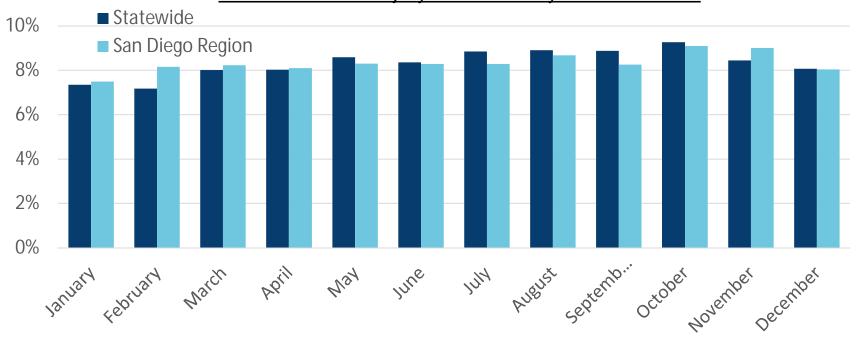




REGIONAL COLLISION DATA



Fatal & Serious Injury Collisions by Month of Year



More collisions occurred in the winter months and less in summer months in this region than California overall.

COLLISIONS OVERVIEW



Intersections & Interchanges Statewide: 43% San Diego Region: 42%



Driver Licensing and Competency Statewide: 25%

San Diego Region: 19% Lower



Commercial Vehicles Statewide: 10% San Diego Region: 8%



Alcohol and Drug Impairment Statewide: 42% San Diego Region: 41%



Motorcycles Statewide: 14%

San Diego Region: 19% Higher



Bicycling Statewide: 4% San Diego Region: 3%



Speeding and Aggressive Driving Statewide: 28%

San Diego Region: 30%



Occupant Protection Statewide: 19% San Diego Region 17%



Distracted Driving Statewide: 5%

San Diego Region: 3% Lower



Pedestrians Statewide: 23%

San Diego Region: 26% Higher



Aging Drivers Statewide: 14% San Diego Region: 15%



Work Zone Statewide: 2% San Diego Region: 2%



CALIFORNIA SAFE ROADS

Roadway Departure

Statewide: 26% San Diego Region: 21%



Young Drivers Statewide: 13% San Diego Region: 12%

Percent of total fatalities

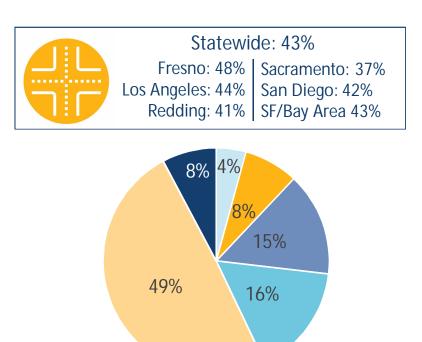
Website: http://www.dot.ca.gov/trafficops/shsp/ Email: SHSP@dot.ca.gov

INTERSECTIONS & INTERCHANGES

■ SF/Bay Area

■ San Diego



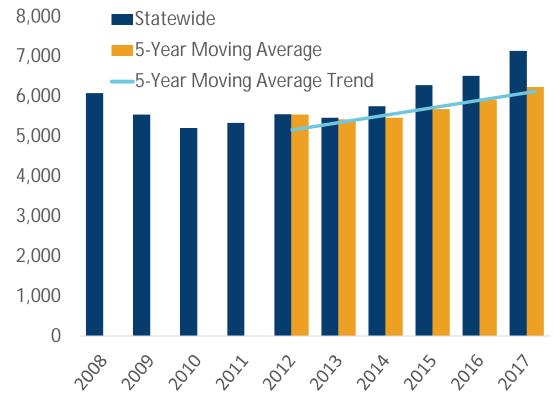


Sacramento

Los Angeles

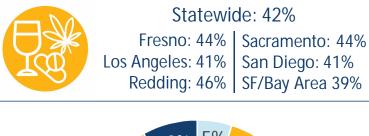
Redding

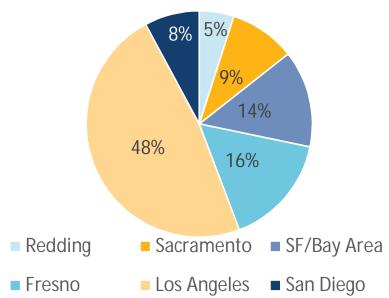
Fresno

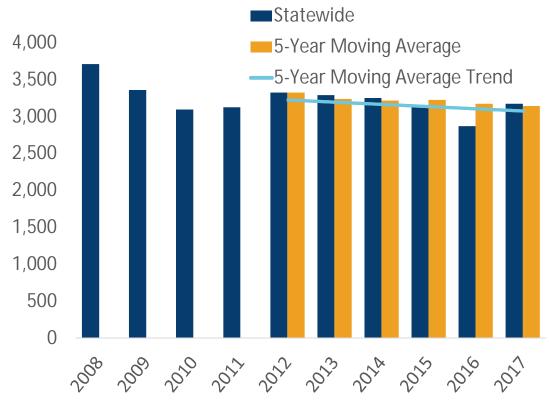


ALCOHOL & DRUG IMPAIRMENT







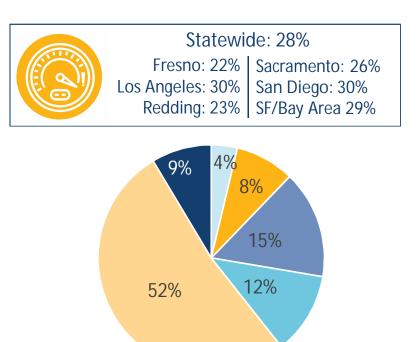


SPEEDING & AGGRESSIVE DRIVING

■ SF/Bay Area

■ San Diego



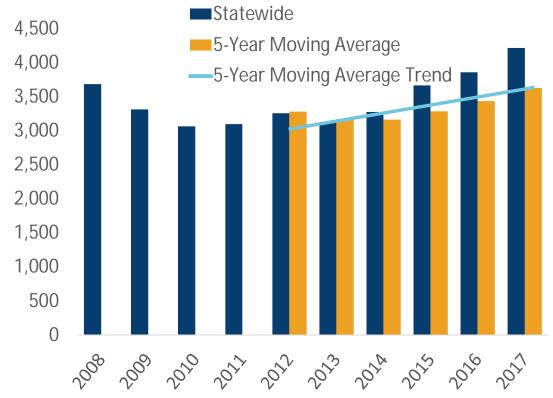


Sacramento

Los Angeles

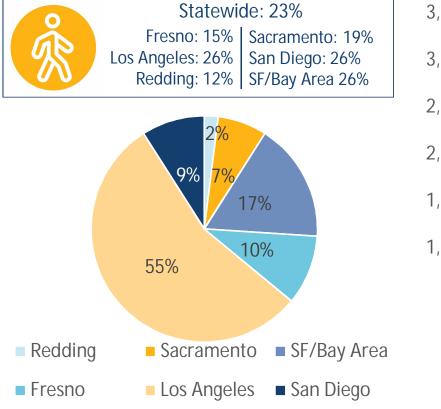
Redding

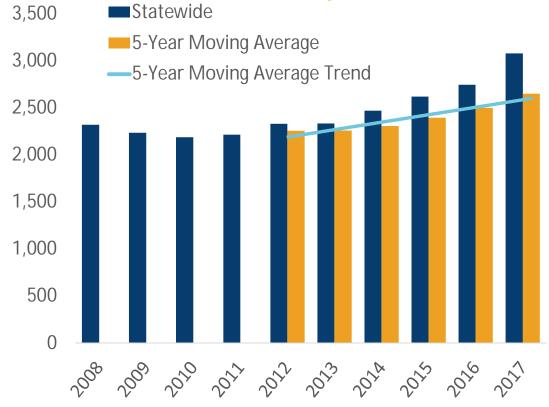
Fresno



PEDESTRIANS

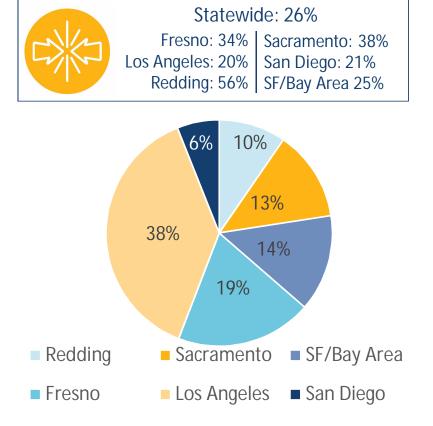


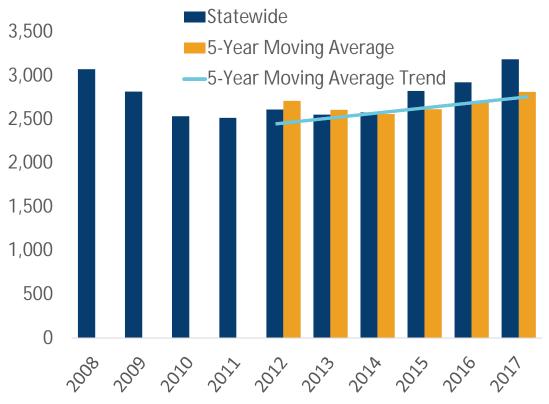




ROADWAY DEPARTURES







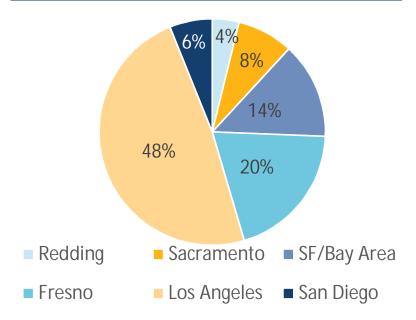
DRIVER LICENSING & COMPETENCY

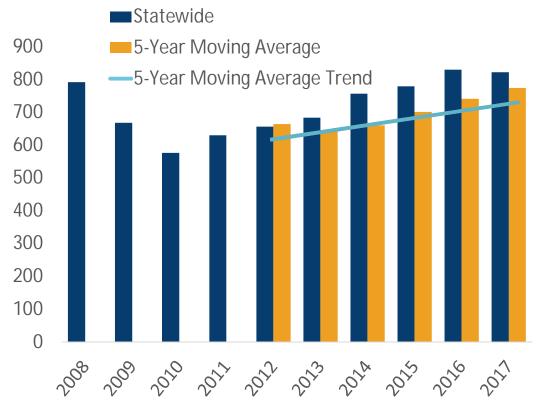




Statewide: 25%

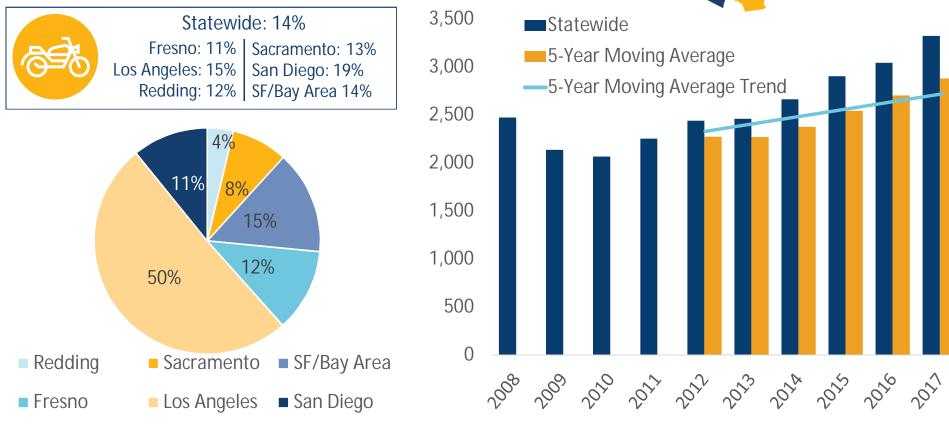
Fresno: 33% | Sacramento: 24%
Los Angeles: 25% | San Diego: 19%
Redding: 21% | SF/Bay Area 24%



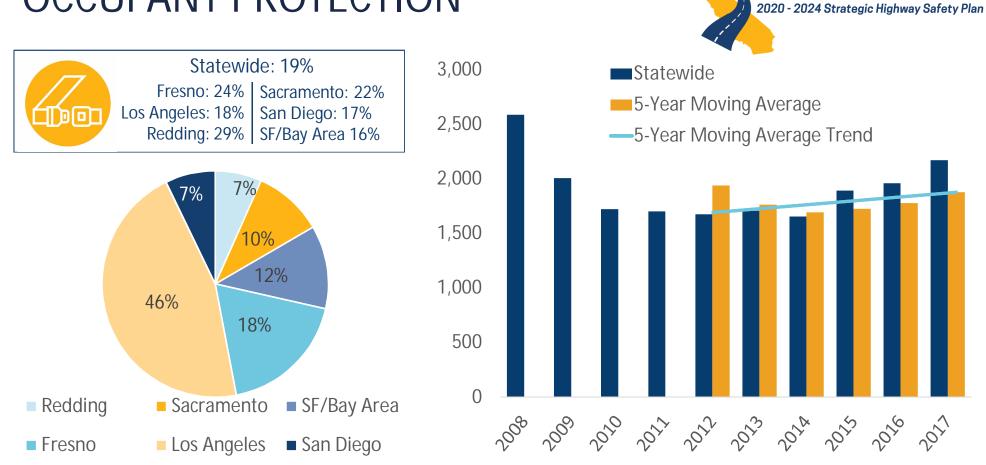


MOTORCYCLES



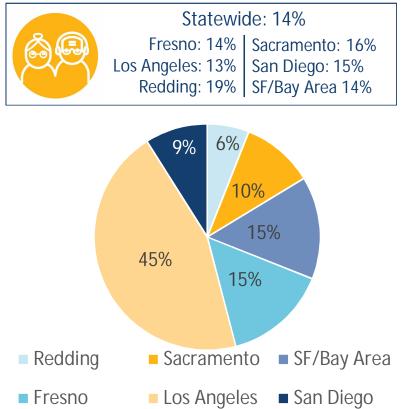


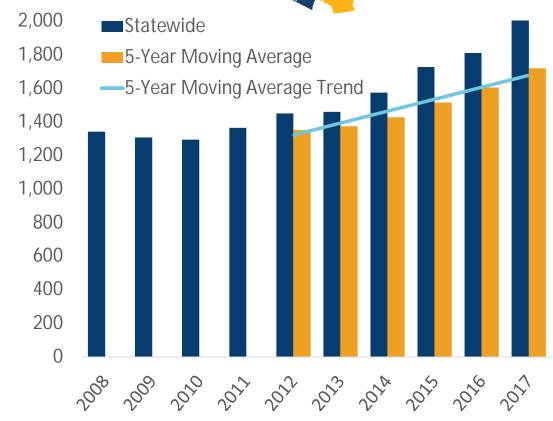
OCCUPANT PROTECTION



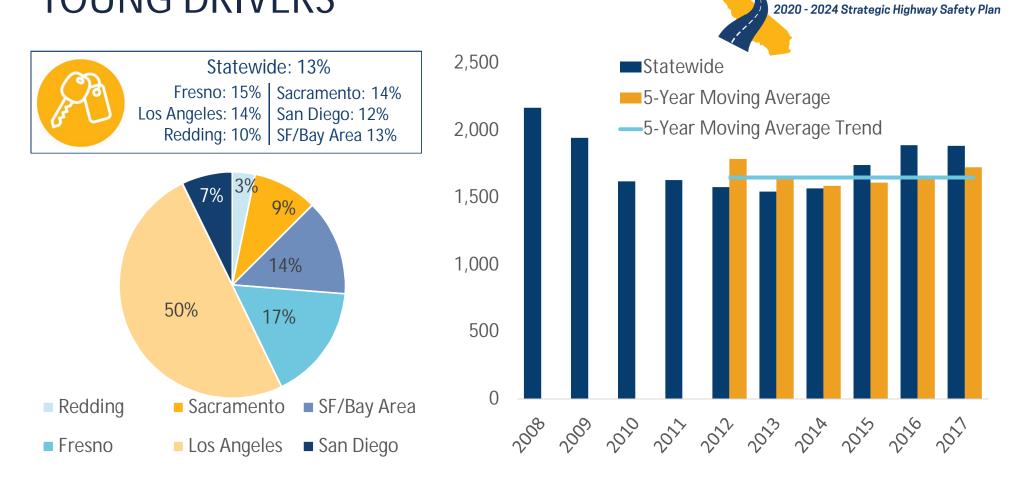
AGING DRIVERS





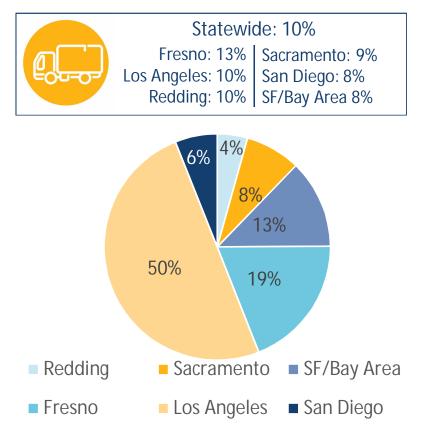


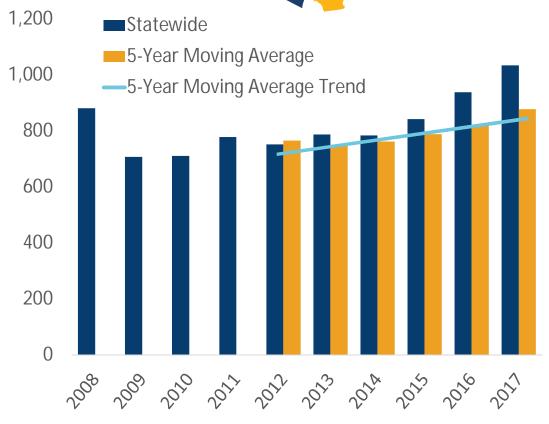
YOUNG DRIVERS



COMMERCIAL VEHICLES







BICYCLING



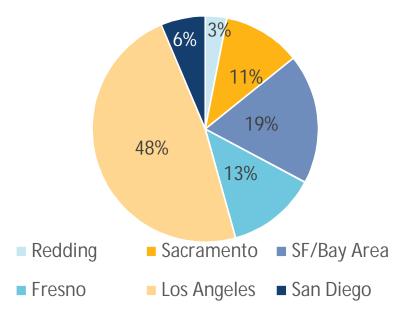


Statewide: 4%

Fresno: 4% | Sacramento: 5%

Los Angeles: 4% | San Diego: 3%

Redding: 3% | SF/Bay Area 6%





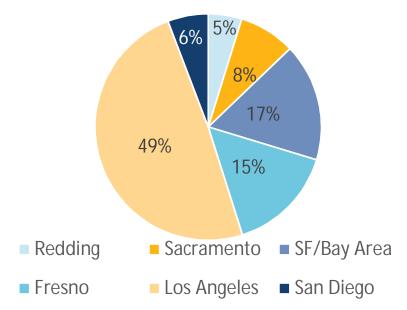
DISTRACTED DRIVING

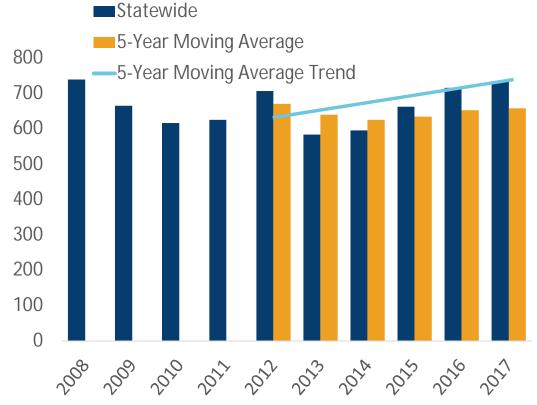




Statewide: 5%

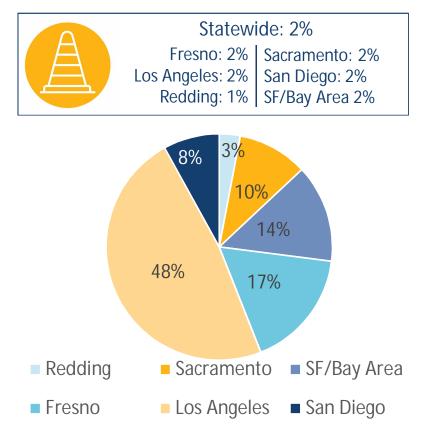
Fresno: 5% | Sacramento: 4%
Los Angeles: 5% | San Diego: 3%
Redding: 5% | SF/Bay Area 5%

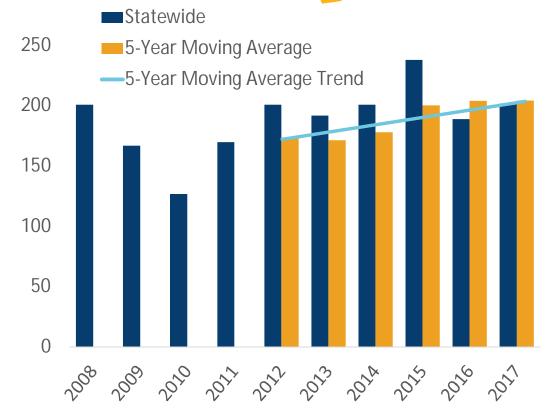




WORK ZONE









Infrastructure-Related Collisions are inclusive of a variety of collision types, including pedestrians, bicyclists, motorcycles, roadway, and intersection collisions.



Median and Pedestrian Crossing Islands

























Tapered Edge

Intersections

Intersections

Backplates with

Retroreflective Borders

Dedicated Left-turn and Right-turn lanes

at Stop-Controlled

Reduce Left-Turn Conflict

Multiple Low-Cost Measures

















Road Diet





















Roundabouts





Education

· Education campaigns about increased enforcement

Behavior-Related Collisions are inclusive of a variety of collision types, including aggressive driving, alcohol-involved, drug-involved, distracted, young driver, and aging driver collisions.



 Alternative transportation programs



 Increased parental involvement programs



· Mandatory driver education for novice drivers



 Education campaigns for physicians and law enforcement about older driver screening



 Education campaigns targeted to low seat-belt users



School programs



Training

Policy

DWI courts

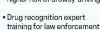
licensing laws

 Employer-based programs targeting workers that are at higher risk of drowsy-driving

 All offender alcohol ignition interlock law

Stronger graduated driver

Screening of older drivers





Motorcycle rider training







Technology

 Automated enforcement for speed and red light running.



Enforcement

· High visibility enforcement



- Publicized sobriety checkpoints



Saturation patrols



 Enforcement of graduated driver licensing and zero tolerance laws



Integrated enforcement







Website: http://www.dot.ca.gov/trafficops/shsp/ Email: SHSP@dot.ca.gov





Median and Pedestrian Crossing Islands







Pedestrian Hybrid Beacon







Leading Pedestrian Intervals





Walkways





Road Diet







Crosswalk Enhancements



Corridor Access Management















Enhanced Delineation and Friction for Horizontal Curves









Longitudinal Rumbe Stripes





Median Barriers





Tapered Edge





Reduce Left-Turn Conflict Intersections





Multiple Low-Cost Measures at Stop-Controlled Intersections









Dedicated Left-turn and Right-turn lanes





Roundabouts





Yellow Change Intervals





Policy

All offender alcohol ignition interlock law



DWI courts



Stronger graduated driver licensing laws





Screening of older drivers





Training

- Employer-based programs targeting workers that are at higher risk of drowsy-driving
- Drug recognition expert training for law enforcement
- Responsible beverage service training
- Motorcycle rider training



Technology

 Automated enforcement for speed and red light running.



Education

programs

programs

• Education campaigns about increased enforcement

Alternative transportation

- Increased parental involvement



 Mandatory driver education for novice drivers



• Education campaigns for physicians and law enforcement about older driver screening



• Education campaigns targeted to low seat-belt users



School programs





Enforcement

• High visibility enforcement



• Publicized sobriety checkpoints



Saturation patrols



• Enforcement of graduated driver licensing and zero tolerance laws



Integrated enforcement







SAFETY STRATEGY SESSION



- Open House Format
- Discuss data and strategies with facilitators and attendees at 5 stations
- Fill out comment forms

- What is the biggest safety issue in your community?
- What specific data should drive the strategies?
- What strategies/programs are most effective in your region?
- What can be done to improve implementation?
- What other ideas do you have?

SAFETY STRATEGY SESSION



- Handouts
 - Statewide Overview
 - Data specific to each sub category
 - Example strategies

Safety Strategy Session



Stations

Overview

Collision Overview
Vision / Mission / Objective

Drivers & Passengers

- 1. Driver licensing
- 2. Aggressive driving
- 3. Driving under influence
- 4. Distracted driving
- 5. Occupant protection
- 6. Young drivers (<21)
- 7. Aging drivers (>65)
- 8. Commercial vehicle operations

Infrastructure

- 9. Intersections
- 10. Lane/Roadway departures
- 11. Work zones

Vulnerable Users

- 12. Pedestrians
- 13. Bicyclists
- 14. Motorcyclists

Vehicles

15. Equipment

Emergency Response

16. Emergency Response

